

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraphs listed below as shown:

[85] In yet another embodiment of the present invention, a CBE scheme combines a Hierarchical Identity Based Encryption (HIDE) scheme and a public-key encryption scheme. As in the non-hierarchical scheme discussed above, the encryption key can correspond to any document D . In the following description, the key is comprised ~~[[to]]~~ of parameters such as the recipient's identifying information (PK_{IDB}), including the recipient's public key (PK_B), and a parameter describing the schedule by which the authorizer issues new decryption keys.

[87] Secure and practical HIDE schemes are described in U.S. patent application no. 10/384,328, now U.S. Patent No. 7,349,538, issued on March 25, 2008, the contents of which are incorporated herein for all purposes by this reference.

[152] **FIG. 10** illustrates one embodiment of a high-granularity CBE protocol. In **FIG. 10**, the successive time-periods **901** are represented by the leafs of a binary tree of height t . Here, successive time-periods are associated with the ~~[[leafs]]~~ leaves of the tree, which are labeled with strings $\langle i \rangle$ of length t , i.e. time period i is associated with the leaf labeled by $\langle i \rangle$.